



## CURRICULUM VITAE

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**BIRTHDATE:** December 21, 1951

**BIRTHPLACE:** New York City, New York

**MARITAL STATUS:** Married, two children

**EDUCATION:** City College of New York, C.U.N.Y.  
New York, New York  
Bachelor of Science, 1975

Long Island University  
Brooklyn, New York  
Master of Science, 1977

Albert Einstein College of Medicine  
Sue Golding Graduate Division  
Bronx, New York  
Doctor of Philosophy, 1981

## RESEARCH AND DEVELOPMENT EXPERIENCE:

### February 2000 to Present

Vice-President  
Diagnostic Development  
Gen-Probe Incorporated

### May 1996 to January 2000

Senior Director  
Research and Development  
Gen-Probe Incorporated

### October 1995 to April 1996

Director of Research  
Gen-Probe Incorporated

### February 1991 to September 1995

Director, Advanced Technology Programs  
Gen-Probe Incorporated  
San Diego, California

### October 1987 to February 1991

Research Group Leader  
Molecular Biology/DNA Probes  
Roche Diagnostic Systems  
Nutley, New Jersey

### June 1984 to September 1987

Senior Research Scientist  
Diagnostic Research, Hoffmann-LaRoche, Inc.  
Nutley, New Jersey

Molecular Cloning and Expression of Bioluminescent  
Proteins and Human Retroviral Genes  
Development of Diagnostic DNA Probe Assays

### January 1984 to May 1984

Research Associate  
Department of Molecular Genetics  
Hoffmann-LaRoche, Inc.

### 1981 to 1983

Post Doctoral Fellow  
Department of Cell Biology  
Roche Institute of Molecular Biology  
Nutley, New Jersey  
Post Doctoral Advisor - Dr. Anne Skalka

The Role of Retroviral Reverse Transcriptase  
in Integrative Recombination

### 1977 to 1981

Pre Doctoral Fellow  
Department of Microbiology and Immunology  
Albert Einstein College of Medicine  
Bronx, New York

09533906-021202

Graduate Thesis Advisor - Dr. Marshall Horwitz  
Doctoral Thesis - The DNA Polymerases  
Involved in Adeno Virus DNA Replication  
1976 to 1977  
NSF Grant Research Associate  
Long Island University  
Brooklyn, New York  
Antimicrobial agents directed against  
Staphylococcus aureus

#### HONORS AND FELLOWSHIPS:

Graduate Assistant, Long Island University, 1975 to 1976

National Science Foundation  
Grant Research Assistant, 1976 to 1977

Phi Sigma Award, Long Island University, 1977

National Institute of Health  
Graduate Traineeship, 1977 to 1981

Postdoctoral Research Fellowship  
Roche Institute of Molecular Biology, 1981 to 1983

#### PROFESSIONAL ORGANIZATIONS:

American Society for Microbiology  
American Association for the Advancement of Science  
American Association for Clinical Chemistry

#### COMMITTEES:

Member of the Hoffmann-LaRoche Research Patent  
Coordinating Committee. 1989 to 1991

#### PATENTS:

INVENTION: A fusion protein comprised of epitopes of the HIV I and HTLV I envelope protein, the corresponding gene, and methods for utilizing the products in Diagnostic Assays.

Patent Application: US/June 10, 1988/US S/N 07/205,401

Inventors: Longiaru, M., Scherer, B., and Terry, R.

Assignee: Hoffmann LaRoche, Inc.

INVENTION: Construction and Expression of Synthetic Genes Encoding Envelope Epitopes of the Human T Cell Leukemia Virus Type I.

Patent Application: October 23, 1989

U.S. Patent 5,837,818 issued November 17, 1998

Inventors: Longiaru, M. and Buonagurio, D.

Assignee: Hoffmann LaRoche, Inc.

INVENTION: Detection of *Chlamydia trachomatis* by Polymerase Chain Reaction using Biotin Labeled Lina Primers and Capture Probes  
Patent Application: September 29, 1989  
US Patent 5,232,829 issued August 3, 1993  
Inventors: Longiaru, M., Silver, S., Sulzinski, M.  
Assignee: Hoffmann LaRoche, Inc.

INVENTION: Solid Phase DNA Assays with Protein-DNA Oligomer Conjugates  
Patent Application: US/May 3, 1991/US S/N 07/695,072  
Inventors: Longiaru, M. and Keys, L.D.  
Assignee: Hoffmann LaRoche, Inc.

#### SELECTED ABSTRACTS:

Longiaru, M., Ikeda, J.E., Jarkovsky, Z., Horwitz, S.B., and Horwitz, M.S. Aphidicolin Inhibits the Replication of Adenovirus DNA. The Imperial Cancer Research Fund Tumor Virus Meeting (SV 40, Polyoma and Adenovirus). Churchill College, Cambridge, England. July, 1979.

Hurwitz, J., Ikeda, J.E., Lichy, J., Kaplan, L., Enomoto, T., Ariga, H., Longiaru, M. and Horwitz, M.S. Studies on the *in vitro* Replication of Adenovirus DNA. - Molecular Mechanisms of DNA Synthesis in Cancer Cells. Tokyo, Japan. March, 1980.

Ariga, H., Longiaru, M., Friefeld, B., and Horwitz, M.S. Adenovirus DNA Synthesis: Evidence for Multiple Rounds of Initiation *in vitro*. EMBO Workshop on Molecular Biology of Adenoviruses. Peebles Hotel, Hydro, Scotland, June, 1980.

Longiaru, M., Ariga, H., Friefeld, B., Horwitz, M.S., Ikeda, J.E., Lichy, J., Enomoto, T., and Hurwitz, J. Adenovirus DNA Synthesis: Evidence for Multiple Rounds of Initiation *in vitro*. Cold Spring Harbor Tumor Virus Meeting (SV 40, Polyoma and Adenovirus). August, 1980.

Longiaru, M. The DNA Polymerases Involved in Adenovirus DNA Replication. A Symposium Celebrating the Scientific Achievements of the Graduate Students from the Sue Golding Graduate Division. Albert Einstein College of Medicine. Bronx, N.Y. December, 1980.

Leis, J., Duyk, G., Longiaru, M., and Skalka, A.M. Mechanism of Action of the DNA Endonuclease Associated with the beta-beta and alpha-beta Forms of the ASV Reverse Transcriptase. Cold Spring Harbor RNA Tumor Virus Meeting. May, 1982.

Duyk, G., Leis, J., Longiaru, M., and Skalka, A.M. Selective Cleavage of the RAV-2 LTR Sequence by the Endonuclease Associated with the alpha-beta Form of Reverse Transcriptase. Cold Spring Harbor RNA Tumor Virus Meeting. May, 1984.

Longiaru, M., Duyk, G., Leis, J. and Skalka, A.M. Selective Cleavage of Wild Type and Mutated Double Stranded Retroviral LTR DNA by the Endonuclease Associated with AMV Reverse Transcriptase. Cold Spring Harbor RNA Tumor Virus Meeting. May, 1984.

Skalka, A.M., Duyk, G., Longiaru, M., DeHaseth, P., Terry, R. and Leis, J. Integrative Recombination - A Role for the Retroviral Reverse Transcriptase. Cold Spring Harbor Symposium of Quantitative Biology. June, 1984.

Duyk, G., Longiaru, M., Cobrinik, D., Kowal, R., Katz, R., Skalka, A.M., and Leis, J. Circles with Two Tandem LTR's are Specifically Cleaved by the ASLV Pol Gene - Associated Endonuclease - Nucleotide Sequences Required for Site-Specific Cleavage. Cold Spring Harbor RNA Tumor Virus Meeting. May, 1985.

Cormier, M.J., Prasher, D.C., Longiaru, M., and McCaen, R.D. The Enzymology and Molecular Biology of the Ca<sup>2+</sup>-Activated Protoprotein Aequorin. American Society for Photobiology. Los Angeles, CA June, 1986.

Prasher, D.C., Longiaru, M., and Cormier, M.J. Molecular Biology of Aequorin. Fourth International Symposium on Bioluminescence and Chemiluminescence. September, 1986.

Cormier, M.J., Prasher, D.C., McCann, R.O., and Longiaru, M. Cloning and Expression of cDNA's Coding for the Bioluminescent Protein Aequorin. Fifth International Symposium on Ca<sup>2+</sup>-Binding Proteins in Health and Disease. Pacific Grove, CA. November, 1986.

Longiaru, M., Scherer, B., Terry, R., Frenkl, T., and Pottathil, R. Development of an Antibody Screening Test for Both HTLV I and HIV I with Recombinantly Expressed Viral Envelope Fusion Proteins. Fourth International Conference on AIDS. Stockholm, Sweden. June, 1988.

Longiaru, M., Buonagurio, D., Terry, R., Pawlyk, D., Genesca, J., Shih, J., Frenkl, T. and Pottathil, R. Development of an Antibody Screening EIA using Recombinantly Expressed HTLV-I in Viral Proteins. Current Issues in Human Retrovirology: HTLV-I Trinidad-Tobago, West Indies. March, 1989.

Frenkl, T., McGhee, B., Lewinski, C., Longiaru, M., Nair, R.N.M., Terry, R., Buonagurio, D., Pawlyk, D., and Pottathil, R. Prevalence of Antibodies Against HIV-I and HTLV-I in African Serum Samples collected during the 1960's. Fifth International Conference on AIDS. Montreal, Canada. June, 1989.

Shih, J., Genesca, J., Frenkl, T., Terry, R., Buonagurio, D., Pawlyk, D., Pottathil, R., and Longiaru, M. Unique Immunoreactivity of a Normal Human Serum with Recombinant HTLV-I ENV Gene Products. Fifth International Conference on AIDS. Montreal, Canada. June, 1989.

Sulzinski, M., Silver, C., Casareale, D., Pottathil, R. and Longiaru, M. A novel, Rapid Non-Radioactive Format for Detection of PCR Amplified HTLV I DNA. Third Annual Retrovirology Conference. Hawaii. February, 1990.

Sulzinski, M., Silver, S., Koopman, A., Barone, A.D. and Longiaru, M. Microtitre Plate Capture and Detection of Biotinylated PCR Products by Oligonucleotide Probes. The American Society for Microbiology Annual Meeting. Anaheim, California. May, 1990.

Longiaru, M., Silver, S., Barone, D., Pawlyk, D. and Sulzinski, M. The Use of PCR and A Colorimetric Microtitre Plate Assay Format For The Detection and Differentiation of HTLV I and II DNA. Sixth International Conference on AIDS. San Francisco, California. June, 1990.

Herman, S., Loeffelholz, M., Silver, S., Purohit, A., Lewinski, C., Buonagurio, D., Molina, M., Rosen, I., Lin, P., Barone, A.D., Keys, L.D., and Longiaru, M. Detection of *Chlamydia trachomatis* in Cervical Specimens Using PCR Combined with a Rapid Sample Preparation Method and an Enhanced Microtiter Plate Detection System. The Fifth San Diego Conference - Nucleic Acids: New Frontiers. San Diego, California. November, 1990.

Silver, S., Lu, S., Herman, S., Buonagurio, D., Loeffelholz, M., Purohit, A., Lewinski, C., White, T., Longiaru, M. and Lawrie, J. DNA Probes/PCR Technology for the Diagnosis of Chlamydia and Gonococcal Infections. Medica 90 plus Biotec. Dusseldorf, West Germany. November, 1990.

Spadaro, J., Sulzinski, M., Butcher, A., Kinard, S., Gallo, D., Hanson, C. and Longiaru, M. Detection and Differentiation of HTLV I and II DNA in Clinical Specimens Using PCR and a Rapid Non-Radioactive Microtiter Plate Assay. Current Issues in Human Retrovirology: HTLV. Montego Bay, Jamaica. February 1991.

Lu, S., Silver, S., Purohit, A., Longiaru, M., and White, T. Detection of *Neisseria gonorrhoeae* and *Chlamydia trachomatis* in a Combined System by PCR. The American Society for Microbiology Annual Meeting. Dallas, Texas. May 1991.

Herman, S., Loeffelholz, M., Buonagurio, D., Silver, S., Lewinski, C. and Longiaru, M. Direct Detection of *Chlamydia trachomatis* in Urogenital Specimens Using a Rapid, PCR-Based Assay System. The American Society for Microbiology Annual Meeting. Dallas, Texas. May 1991.

Buonagurio, D. and Longiaru, M. Use of MOMP Gene PCR-Based Detection System for *Chlamydia trachomatis* to Evaluate Discrepant Clinical Specimens. The American Society for Microbiology Annual Meeting. Dallas, Texas. May 1991.

Spadaro, J., Butcher, A., Kinard, S., Gallo, D., Hanson, C. and Longiaru, M. A Rapid, Non-Radioactive Microtiter Plate Assay to Detect and Differentiate HTLV 1 and 2 DNA. American Association For Clinical Chemistry Annual Meeting. Washington, D.C. August 1991.

Jonas, V., Alden, M., Kamisango, K., Knott, C., Lankford, R. and Longiaru, M. Direct Detection of *Mycobacterium tuberculosis* from Clinical Specimens using the Gen-Probe Transcription Mediated Amplification System. The San Diego Probe Conference, Beyond DNA Probes. San Diego, CA. November 18-20, 1993.

Jonas, V., Acedo, M.E., Alden, M., Kamisango, K., Knott, D.F., Lankford, R., Penny, C.D., and Longiaru, M. Direct Detection of *Mycobacterium tuberculosis* in Clinical Specimens using the Gen-Probe Transcription Mediated Amplification System. Novel Amplification Technologies for DNA/RNA Based Diagnostics. San Francisco, CA April 20-22, 1994.

Gonzales, F.R., Watson, M., Shen, N., Castillo, M., Avina, T., Miyano, M., Talbot, L., Hall, C. and Longiaru, M. Detection of Hepatitis B Virus DNA by Transcription Mediated Amplification. The San Diego Probe Conference, The Genetic Revolution. San Diego, CA. November 17-19, 1994.

Gonzales, F.R., Watson, M., Shen, N., Castillo, M., Avina, T., Miyano, M., Hall, C. and Longiaru, M. HBV DNA Analysis in Serum: A Novel Amplification System (TMA). The American Gastroenterological Association Annual Meeting, San Diego, CA May 15-18, 1995

Gonzales, F.R., Castillo, M., Avina, T., Watson, M., Miyano, M. and Longiaru, M. Specific Detection of HBV DNA in Serum by Transcription Mediated Amplification. 45th Annual Meeting of the American Association for the Study of Liver Disease. Chicago, Illinois. November 3-7, 1995.

Jonas, V. and Longiaru, M. Detection of *Mycobacterium tuberculosis* by Molecular Methods. DNA Technology in the Clinical Laboratory - 5th Annual Seminar on Molecular Pathology. Beaumont Pathology Conferences. Royal Oak, Michigan. March 8-9, 1996.

Jonas, V., Acedo, M., Alden, M., D'Amour, K., Hasselkus-Light, C., and Longiaru, M. Clinical Data Generated with the Second Generation Amplified Mycobacterium Tuberculosis Direct Test. 17<sup>th</sup> Annual Meeting of the European Society for Mycobacteriology. Institut Pasteur. Paris. June 5-8, 1996.

Clark, K., Light, C., Longiaru, M., Nelson, N., Quigley, T., Santa Ana, S., Weinbaum, B., Catanzariti, L., Kluttz, B., McKinley, G. and Vera-Garcia, M. Development of an Automated VIDAS Test for the Amplified Detection of *Mycobacterium tuberculosis* rRNA from Respiratory Specimens. 97<sup>th</sup> ASM General Meeting. Miami Beach, Florida. May 4-8, 1997.

Vera-Garcia, M., Wells, P., Lauzier, W., Ranieri, A., Kluttz, B., Moe, J., Levasseur, P., McKinley, G., Burns, J., Clark, K., Longiaru, M., and Catanzariti, L. Rapid Amplified Detection of *Chlamydia trachomatis* rRNA from Urogenital Specimens Using the Vidas Immunoassay Instrument. 97<sup>th</sup> ASM General Meeting. Miami Beach, Florida. May 4-8, 1997.

Clark, K., Knott, C., Light, C., Longiaru, M., Quigley, T., Santa Ana, S., Weinbaum, B., Catanzariti, L., McKinley, G., Moe, J., Vera-Garcia, M. Development of an Amplified VIDAS Test for the Detection of *Mycobacterium tuberculosis* (Mtb) from Sputum Sediments. 8<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases. Lausanne, Switzerland. May 25-28, 1997.

Vera-Garcia, M., Wells, P., Lauzier, W., Ranieri, A., Obrien, W., Kluttz, B., Moe, J., McKinley, G., Burns, J., Clark, K., Longiaru, M., and Catanzariti, L. Development of an Amplified Vidas Test for the Detection of *Chlamydia trachomatis* from Urogenital Samples. 8<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases. Lausanne, Switzerland. May 25-28, 1997.

Clark, K., Knott, C., Light, C., Longiaru, M., Nelson, N., Quigley, T., Santa Ana, S., Weinbaum, B., Catanzariti, L., Kluttz, B., McKinley, G., Moe, J., Vera-Garcia, M. Adaptation of the Gen-Probe rRNA-Amplified *Mycobacterium tuberculosis* Direct Test to the Automated VIDAS Instrument. 49<sup>th</sup> AACC Annual Meeting and Clinical Laboratory Exposition. Atlanta, Georgia. July 20-24, 1997.

Baijot, M.J., Catanzariti, L., Longiaru, M. and McKinley, G. VIDAS Dual Platform: Immunoassay and Molecular Biology Testing on one Instrument. ASM Conference: Molecular Diagnostics and Therapeutics. Kananaskis, Alberta, Canada. August 15-19, 1997.

Clark-Dickey, K., Hasselkus-Light, C., Knott, C., Longiaru, M., Nelson, N., Quigley, T., Santa Ana, S., Weinbaum, B., Catanzariti, L., Kluttz, B., McKinley, G., Moe, J. and Vera-Garcia, M. Adapting the Gen-Probe rRNA-Amplified *Mycobacterium tuberculosis* Direct Test to the Automated VIDAS Instrument. The San Diego Conference: Nucleic Acid Technology. November 6-8, 1997.

Hasselkus-Light, C., Burns, J., Clark-Dickey, K., Longiaru, M., Lugo, L., Quigley, T., Santa Ana, S., Sitay, A., Weinbaum, B., McKinley, G. and Moe, J. Improvements to the rRNA-Amplified Direct *Mycobacterium tuberculosis* Test for the Automated VIDAS Instrument. 98<sup>th</sup> ASM General Meeting. Atlanta, Georgia. May 17-21, 1998.

Burres, B., Santa Ana, S., Levasseur, P., Moe, J., Lauzier, W., and Longiaru, M. A Prototype Amplified *Neisseria gonorrhoeae* Assay for the VIDAS Instrument. 98<sup>th</sup> ASM General Meeting. Atlanta, Georgia. May 17-21, 1998.

Vera-Garcia M., Wells, P., Ranieri, A., McKinley, G., Clark, K., Longiaru, M., Burg, L., and Catanzariti, L. A Co-Amplified Internal Control eliminates false negative results from TMA Amplified VIDAS Assay for *Chlamydia trachomatis*. 98<sup>th</sup> ASM General Meeting. Atlanta, Georgia. May 17-21, 1998.



Burns, J., Clark-Dickey, K., Hasselkus-Light, C., Longiaru, M., Lugo, L., Quigley, T., Santa Ana, S., Sitay, A., Weinbaum, B., McKinley, G., and Moe, J. Novel Enhancements to the Gen-Probe Amplified *Mycobacterium tuberculosis* Test for the Automated VIDAS Instrument. 50<sup>th</sup> AACC Annual Meeting and Clinical Laboratory Exposition. Chicago, Illinois. August 2-6, 1998.

Burres, E., Santa Ana, S., Clark-Dickey, K., Longiaru, M., Moe, J., Lauzier, W and Levasseur, P. An Amplified *Neisseria gonorrhoeae* Assay for the Automated VIDAS Instrument. 50<sup>th</sup> AACC Annual Meeting and Clinical Laboratory Exposition. Chicago, Illinois. August 2-6, 1998.

Vera-Garcia M., Wells, P., Raneri, A., Welch, A., McKinley, G., Clark, K., Longiaru, M., Burg, L., and Catanzariti, L. Inclusion of a Recombinant Internal Control Molecule in the TMA Amplified VIDAS Assay for *Chlamydia trachomatis*. 50<sup>th</sup> AACC Annual Meeting and Clinical Laboratory Exposition. Chicago, Illinois. August 2-6, 1998

Clark-Dickey, K., Burns, J., Hasselkus-Light, C., Longiaru, M., Lugo, L., Quigley, T., Santa Ana, S., Sitay, A., Weinbaum, B., McKinley, G. and Moe, J. Amplified *Mycobacterium tuberculosis* test for the automated VIDAS instrument. European Society for Mycobacteriology Meeting. Lisbon, Portugal. July 21-25, 1998.

Burres, E., Santa Ana, S., Gilker, M., Clark-Dickey, K., Longiaru, M., Moe, J., and Lavasseur, P. A *Neisseria gonorrhoeae* Transcription-Mediated Amplification Assay for the Automated VIDAS Instrument. The San Diego Conference: DNA Technologies In Human Disease Detection. November 19-21, 1998.

Clark-Dickey, K., Burns, J., Darby, P., Longiaru, M., Lugo, L., Quigley, T., Sitay, A., and McKinley, G. Amplified *Mycobacterium tuberculosis* test for the Automated VIDAS Instrument Includes Internal Control. The San Diego Conference: DNA Technologies In Human Disease Detection. November 19-21, 1998.

Clark-Dickey, K., Longiaru, M., Quigley, T., Sitay, A., Weinbaum, B., Catanzariti, L., and McKinley, G. Automation of Amplification for the VIDAS Probe *Mycobacterium tuberculosis* Test. 9<sup>th</sup> European Congress of Clinical Microbiology and Infections Diseases. Berlin, German. March 21-26, 1999.

Longiaru, M., Burres, E., Gilker, M., Santa Ana, S., Wang, T., and Rice, B. Amplification Automation of the VIDAS Probe *Neisseria gonorrhoeae* Test. 9<sup>th</sup> European Congress of Clinical Microbiology and Infectious diseases. Berlin, Germany. March 21-24, 1999.

Clark-Dickey, K., Longiaru, M., Quigley, T., Sitay, A., and McKinley, G. Enhancements to the VIDAS probe *Mycobacterium tuberculosis* Test. 99<sup>th</sup> General Meeting of ASM. Chicago, Illinois. May 30 - June 3, 1999.

Burres, E., Gilker, M., Longiaru, M., Wang, T., Rice, B., and Fuller, D. Enhancements to the VIDAS Probe *Neisseria gonorrhoeae* Test. 99<sup>th</sup> General Meeting of ASM. Chicago, Illinois. May 30 - June 3, 1999.

Clark-Dickey, K., Burns, J., Longiaru, M., Quigley, T., Sitay, A., Rice, B., and Catanzariti, L. Automation of the VIDAS Probe *Mycobacterium tuberculosis* Test. 51<sup>st</sup> AACC Annual Meeting and Clinical Laboratory Exposition. New Orleans, Louisiana. July 25-29, 1999.

Burres, B., Gilker, M., Hodge, P., Johnson, R., Darby, P., Longiaru, M., Wang, T., and Rice, B. Automation of the VIDAS Probe *Neisseria gonorrhoeae* Test. 51<sup>st</sup> AACC Annual Meeting and Clinical Laboratory Exposition. New Orleans, Louisiana. July 25-29, 1999.

Clark-Dickey, K., Longiaru, M., Quigley, T., Sitay, A. and McKinley, G. Enhancements to the VIDAS PROBE *Mycobacterium tuberculosis* test. The San Diego Conference: Nucleic Acid Technologies in Disease Detection. San Diego, California. November 17 - 19, 1999.

Burres, B., Gilker, M., Hodge, P., Longiaru, M., Wang, T. and Rice, B. Enhancements to the VIDAS PROBE *Neisseria gonorrhoeae* Test. The San Diego Conference: Nucleic Acid Technologies in Disease Detection. San Diego, California. November 17-19, 1999.

Clark-Dickey, K., Clymer, J.J., Longiaru, M., Quigley, T., Sitay, A., Weinbaum, B., Weeks, P., McKinley G., Rice B. and Orlov, J. Evaluation of the VIDAS PROBE *Mycobacterium tuberculosis* Test. 100<sup>th</sup> General Meeting of ASM. Los Angeles, California. May 21 - 25, 2000.

Burres, B., Gilker, M., Hodge, P., Longiaru, M., Lauzier, B., Morin, M., Wang, T. and Keys, D. Development of the VIDAS PROBE *Neisseria gonorrhoeae* Test, an Automated Molecular Diagnostic Assay. 100<sup>th</sup> General Meeting of ASM. Los Angeles, California. May 21 - 25, 2000.

Johnson, R.W., Hern, A., Traverse, A., Wells, P., Kacena, K., Longiaru, M., Kuchimanchi, S., and Keys, D. Development of the VIDAS PROBE *Chlamydia trachomatis* test, an Automated Molecular Diagnostic Assay. 100<sup>th</sup> General Meeting of ASM. Los Angeles, California. May 21 - 25, 2000.

Traverse, A., Kacena, K., Wells, P., Johnson, R., Hern, A., Connolly, J., Longiaru, M., McKinley, G., and Keys, D. Comparison of VIDAS PROBE with the LCx for Detection of *Chlamydia trachomatis* in Urine and Genital Swab Specimens from Females and Males. 100<sup>th</sup> General Meeting of ASM. Los Angeles, California. May 21-25, 2000.

Longiaru, M., Clark-Dickey, K., Clymer, J., Keys, D., Kuchimanchi, S., Quigley, T., Rice, B., and Sitay, A. Assessment of the VIDAS PROBE *Mycobacterium tuberculosis* test. 10 European Congress of Clinical Microbiology and Infections Diseases (ECCMID). Stockholm, Sweden. May 28 - 31, 2000.

Johnson, R., Connolly, J., Hern, A., Kacena, K., Keys, D., Longiaru, M., McKinley, G., Traverse, A., and Wells, P. Comparing VIDAS PROBE CT and Gen-Probe Amplified CT for Detecting *Chlamydia trachomatis*. 10<sup>th</sup> European Congress of Clinical Microbiology and Infections Diseases (ECCMID). Stockholm, Sweden. May 28 - 31, 2000.

Johnson, R., Hern, A., Kacena, K., Keys, D., Kuchimanchi, S., Longiaru, M., Traverse, A., and Wells, P. Evaluation of the VIDAS PROBE *Chlamydia trachomatis* test. 10<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID). Stockholm, Sweden. May 28-31, 2000.

Burres, B., Gilker, M., Hodge, P., Longiaru, M., Lauzier, B., Morin, M., Wang, T., and Keys, D. The VIDAS PROBE *Neisseria gonorrhoeae* test, an automated Molecular Diagnostic Assay. 52<sup>nd</sup> Annual AACC Meeting. San Francisco, CA, July 23 - 27, 2000.

#### INVITED LECTURES:

Longiaru, M. PCR and the Use of Molecular Biological Techniques in Clinical Diagnostics. 16<sup>th</sup> National Meeting of the Clinical Ligand Assay Society. Philadelphia, PA. May 2-5, 1990.

Longiaru, M. Polymerase Chain Reaction: Hybridization Formats and Signal Detection Systems. 91<sup>st</sup> General Meeting of the American Society for Microbiology. Dallas, Texas May 5-9, 1991.

Longiaru, M. Post Amplification Detection Formats. Mayo Clinic - Clinical Microbiology Reviews. Rochester, MN. August 5-7, 1991.

Longiaru, M. Advances in Nucleic Acid Amplification and Detection Technologies. 8th Annual Combined Fall Conference - American Society for Microbiology. Northern California Association of Public Health Microbiologists. San Mateo, California October 17-19, 1991.

Longiaru, M. Hybridization Protection Assay (HPA): A homogenous method for the chemiluminescent detection of nucleic acids and its application to infectious disease diagnostics. Science Innovation '92 - New Techniques and Instruments in Biomedical Research. San Francisco, California July 21-25, 1992.

Longiaru, M. Introduction and Update on DNA Probe Technology. The Current Approach to the Laboratory Diagnosis of Mycobacteria. Industrial Technology Research Institute - Application of DNA Probe in Diagnostic Technology. Taipei, Taiwan ROC March 1-5, 1993.

Longiaru, M. Recent Advances in Rapid TB Diagnosis. Advanced Technology Seminar Series. 33rd Interscience Conference on Antimicrobial Agents and Chemotherapy. New Orleans, Louisiana October 19, 1993.

Longiaru, M. Clinical Evaluation of the Gen-Probe Amplified System for Direct Detection of *Mycobacterium tuberculosis*. The 94th General Meeting of the American Society for Microbiology. Las Vegas, Nevada May 23-27, 1994

Longiaru, M. Probes in DNA/RNA Hybridization. Contemporary Assessment of Technologies. A Pre-Convention Workshop at IABS/UCSF Symposium on Molecular Approaches to Laboratory Diagnosis. San Francisco, CA February 18-21, 1995.

Longiaru, M. Applications of Transcription Mediated Amplification (TMA). IBC's Diagnostic Gene Detection Technology for Infectious Agents and Human Genetic Diseases. San Diego, CA. May 23, 1996.

Longiaru, M. Nucleic Acid Probe Technology and Molecular Diagnostics. Northeast Section of the AACCC Seminar Series. Waltham, Massachusetts. September 23, 1999.

#### PUBLICATIONS:

Longiaru, M., Ikeda, J.E., Jarkovsky, S., Horwitz, S.B. and Horwitz, M.S., 1979. The Effect of Aphidicolin on Adenovirus DNA Synthesis. Nucleic Acids Research, 6:3369-3386.

Ikeda, J.D., Longiaru, M., Horwitz, M.S., and Hurwitz, J., 1980. Elongation of Primed DNA Templates by eukaryotic DNA Polymerases, Proc. Natl. Acad. Sci., U.S.A. 77:5827-5831.

Longiaru, M., and Horwitz, M.S., 1981. Chinese hamster Ovary Cells Replicate Adenovirus DNA. Mol. Cell Biol. 1:208-215.

Leis, J., Duyk, G., Johnson, S., Longiaru, M., and Skalka, A.M. 1982. The Mechanism of Action of the Endonuclease Associated with the beta-beta and alpha-beta Forms of Avian RNA Tumor Virus Reverse-Transcriptase. J. Virol. 45:727-739.

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